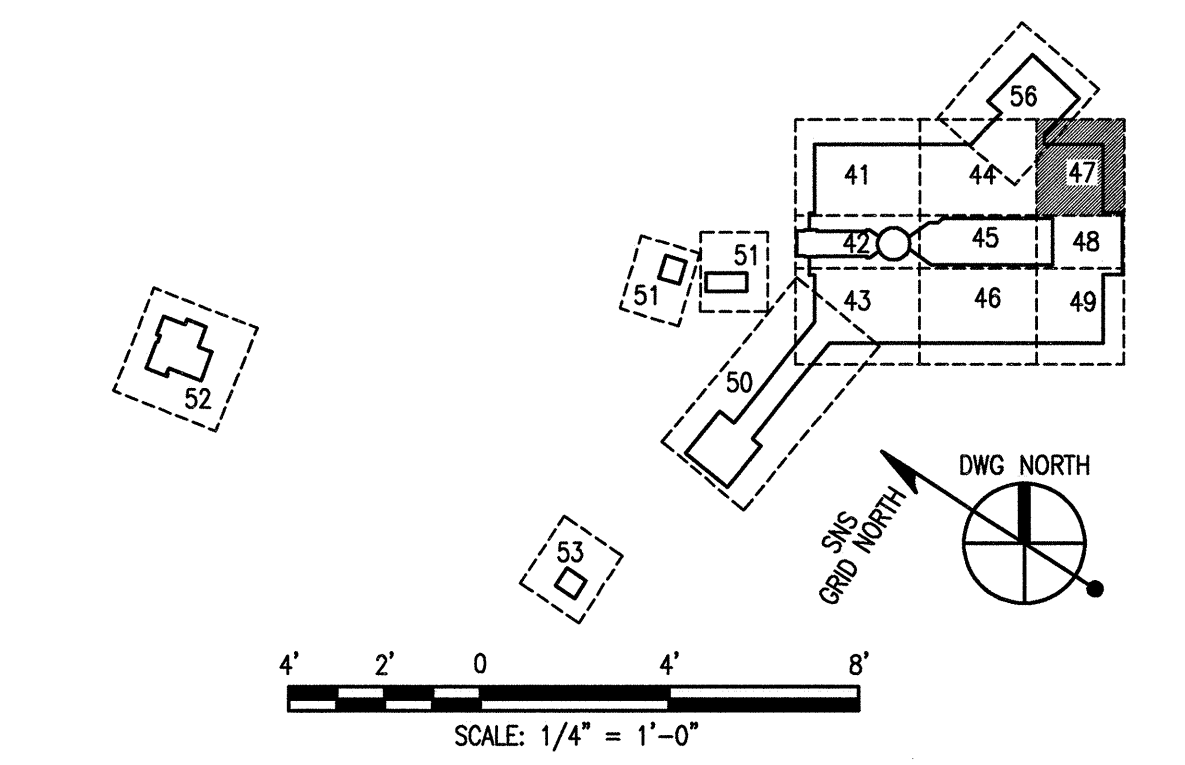


- GENERAL NOTES:**
- NOT USED.
 - ALL GROUNDING CONDUCTORS SHALL BE #4/0 STRANDED BARE COPPER (SBC), UNLESS NOTED OTHERWISE.
 - ALL GROUND CONNECTIONS SHALL BE EXOTHERMIC.
 - STUB-UP UNDERGROUND CONDUIT W/ GROUNDING BUSHING.
 - INSTALL GROUND BAR ON COLUMNS AS SHOWN. GROUND STEEL COLUMN TO THE GROUND BAR, IF INSTALLED ON THE COLUMN, UNLESS SHOWN OTHERWISE. GROUND ALTERNATE STEEL COLUMN AND REBAR DIRECTLY TO GROUND GRID CONDUCTORS.
 - LIGHTNING PROTECTION SYSTEM DOWN CONDUCTORS TO BE ATTACHED TO STRUCTURAL STEEL OR CONCRETE COLUMNS WITH UL LISTED CONNECTORS.
 - IN EACH AREA CONTAINING ELECTRICAL EQUIPMENT, ACCESS TO THE GROUNDING SYSTEM MUST BE AVAILABLE EITHER FROM STRUCTURAL STEEL OR THE BUILDING GROUND GRID.
 - ALL GROUND CONDUCTORS SHOWN WITHIN THE BUILDING ARE EMBEDDED IN THE FLOOR CONCRETE.

- SHEET KEYNOTES:**
- N001 MAINTAIN MINIMUM 6'-0" BETWEEN LIGHTNING GROUND WELL AND ANY FACILITY GROUND WELL/ROD.
- N002 28 STRANDS OF 14 GAUGE COPPER WIRE TO LIGHTNING GROUND WELL.



108030700-E8E-8700-A150									
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	Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 SP-UT-BATTELLE, LLC, Oak Ridge, Tennessee								
PROJECT NAME: SPALLATION NEUTRON SOURCE									
TARGET BUILDING ELECTRICAL GROUNDING PLAN LEVEL 1, SECTOR 47									
1	48	49	50	PLANT	BLDG	FL	SH.	OF TYPE	CLASS
3	E	X	X	8	8700		1	1	P
1	NC	NA	NA	WBS	1.8.3.7				U
				E7.01.47		REV 2			

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SECTION AND DETAIL KEY			

REVISION OR ISSUE PURPOSE										REVISION APPROVALS									
REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	PE	DATE	PJ	DATE	REQ	DATE	UTB	DATE	RPE	RPE NO	DATE	ST	CV
2	10/26/01	CERTIFIED FOR CONSTRUCTION - 10/26/01	HG	VGS															
1	10/26/01	DDN T - 01 THRU T - 013 - 9/21/01	HG	VGS															
0	10/26/01	SUBSTRUCTURES CERTIFIED FOR CONSTRUCTION - 4/18/01	HG	VGS															

DSN	H GROVER	4/13/01
DRW	L MAKOVSKY	4/13/01
CHK	V STEFFEN	4/13/01
DEPT		
PE	C.L. GARREN	4/18/01
PJ	R.A. DEAN	4/18/01
REQ		
REV	2	10-29-01
DATE	4/19/01	
UTB	J.R. LAWSON	4/19/01

